

DARPAICE 2002 Symposium

Fally Casy



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Micro Aerial Vehicle (MAV) ACTD Sam B. Wilson III





Critical Military Need: Situational Awareness



ACTD Operational Objective

The Problem:

Lack of situational awareness at the small unit level places the [tactical reconnaissance and surveillance] mission and soldiers at risk.

The Solution:

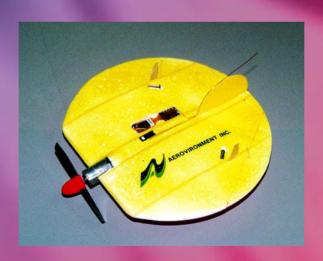
MAV technology greatly reduces the operational and tactical risks associated with small unit operations.





Micro Air Vehicle Project

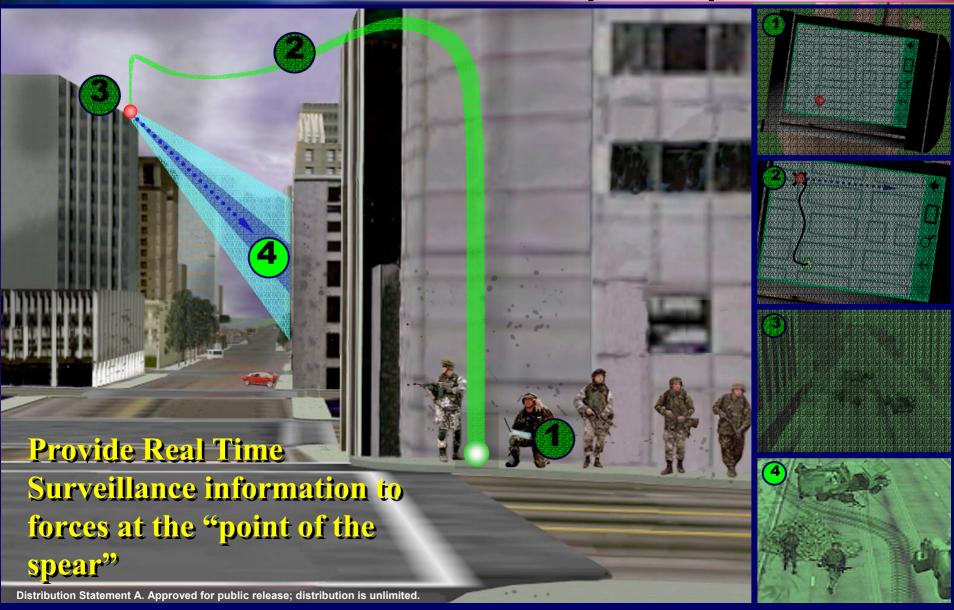
- Micro Air Vehicle: MAV
- Private Jones







MAV Urban Environment Concept of Operations



Goal: Launch & Learn

ACTD

New Paradigm: Soldier Supervised

Autonomous Flight









Participants and Roles





















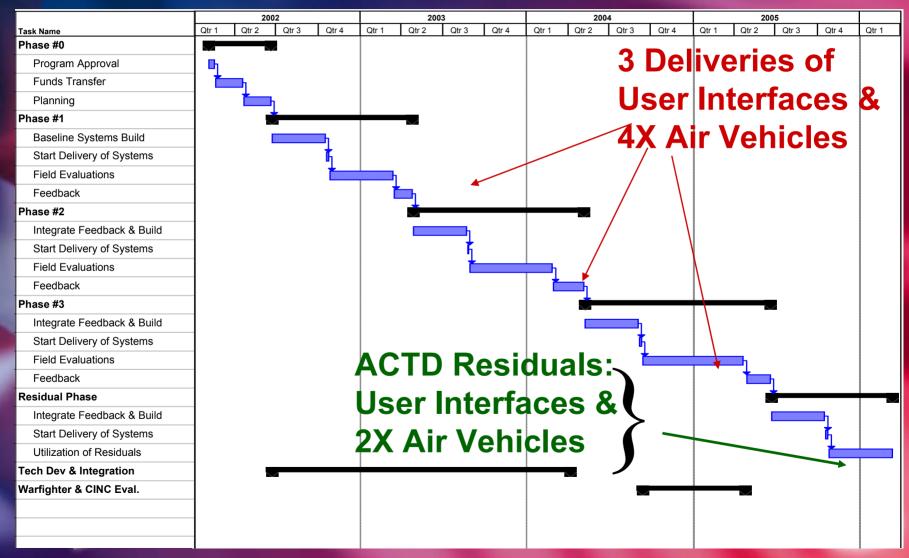








Program Schedule



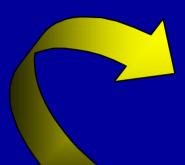


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User Interface

ACTO Launch & Imagery Issues (Autonomously)



New Paradigm: Soldier Supervised





Autonomous Flight

Old Paradigm: Pilot Required

Tele-Operation





Analog to Digital Sensors

listribution is unlimited.

The Closer for Clarity

Tmage Stability

